

IN THE ABSTRACT:

Please DELETE the Abstract in its entirety and substitute the attached new Abstract.

An interleaving method for use in a low density parity check (LDPC) encoding process employed by a network across which data is transmitted and/or in a recording/reproducing apparatus when information is stored on a recording medium. The method includes generating more than one code word vector by generating parity information based on a parity check matrix, dividing the generated code word vector into interleaving units, each interleaving unit having a size that is based on bit lengths between 1s included in a row of the parity check matrix, and interleaving the more than one code word vector using the differently sized interleaving units.